

U.S. MARINE RECREATIONAL FISHERIES

**ESTIMATED TOTAL NUMBER OF FISH CAUGHT (WITH RELEASED ALIVE) WITH PSE (%) BY
MARINE RECREATIONAL ANGLERS, BY SPECIES, SUB-REGION, 1993-1997 FOR THE
ATLANTIC AND GULF COASTS**

YEAR	ATLANTIC COD									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
-----NUMBERS IN THOUSANDS-----										
1993. . .	2,270	11	423	15	0	0	0	0	2,693	10
1994. . .	1,749	8	112	23	0	0	0	0	1,861	8
1995. . .	1,747	15	195	19	0	0	0	0	1,942	14
1996. . .	1,061	10	19	24	0	0	0	0	1,080	10
1997. . .	841	14	22	21	0	0	0	0	863	14
YEAR	ATLANTIC CROAKER									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
-----NUMBERS IN THOUSANDS-----										
1993. . .	0	0	14,136	6	2,921	5	3,959	7	21,016	5
1994. . .	0	0	17,472	5	5,753	5	3,445	6	26,671	3
1995. . .	0	0	12,246	6	2,970	7	2,537	6	17,753	4
1996. . .	0	0	12,082	6	2,245	5	2,539	7	16,867	5
1997. . .	0	0	18,059	7	2,698	6	3,468	6	24,225	5
YEAR	ATLANTIC MACKEREL									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
-----NUMBERS IN THOUSANDS-----										
1993. . .	2,161	10	144	35	0	0	0	0	2,307	10
1994. . .	4,690	12	170	44	0	0	0	0	4,860	12
1995. . .	2,934	13	1,074	35	0	0	0	0	4,008	13
1996. . .	3,001	10	647	26	1	55	0	0	3,650	9
1997. . .	3,524	13	1,434	17	0	100	0	0	4,959	11
YEAR	BLACK DRUM									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
-----NUMBERS IN THOUSANDS-----										
1993. . .	0	0	12	34	253	9	1,268	9	1,534	7
1994. . .	0	0	4	41	297	8	824	8	1,125	6
1995. . .	0	0	27	23	505	10	1,063	8	1,595	6
1996. . .	0	0	22	29	355	8	818	7	1,196	6
1997. . .	0	0	9	38	326	9	1,344	8	1,678	6
YEAR	BLACK SEA BASS									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
-----NUMBERS IN THOUSANDS-----										
1993. . .	67	14	8,898	14	1,418	7	2,375	7	12,758	10
1994. . .	33	38	6,995	7	2,131	6	2,735	6	11,892	4
1995. . .	122	12	13,841	7	1,660	6	2,170	6	17,793	6
1996. . .	195	13	9,807	7	1,312	7	1,435	7	12,750	6
1997. . .	128	16	8,126	6	1,717	6	1,805	8	11,776	4

(1) GULF OF MEXICO ESTIMATES DO NOT INCLUDE TEXAS DATA.

NOTE:--EST = ESTIMATE. PSE (%) = PROPORTIONAL STANDARD ERROR.

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ATLANTIC AND GULF COASTS**

YEAR	BLUEFISH								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		EST	PSE (%)
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)		
----- NUMBERS IN THOUSANDS -----										
1993...	2,425	5	4,516	5	2,984	4	376	12	10,301	3
1994...	2,220	6	6,190	6	3,510	4	484	12	12,405	3
1995...	2,022	6	5,113	5	3,341	5	464	12	10,940	3
1996...	2,810	7	5,135	5	1,954	4	471	12	10,370	3
1997...	2,579	6	6,163	5	3,584	4	602	10	12,927	3
YEAR	DOLPHIN								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		EST	PSE (%)
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)		
----- NUMBERS IN THOUSANDS -----										
1993...	18	29	246	22	961	5	675	11	1,927	5
1994...	1	54	86	20	1,680	7	653	11	2,450	6
1995...	11	60	74	21	1,523	4	963	8	2,613	4
1996...	1	100	199	35	1,233	5	461	9	1,905	5
1997...	0	53	31	42	1,356	7	1,058	11	2,444	6
YEAR	GAG								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		EST	PSE (%)
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)		
----- NUMBERS IN THOUSANDS -----										
1993...	0	0	0	0	86	19	1,652	6	1,738	6
1994...	0	0	0	0	137	15	2,095	5	2,232	5
1995...	0	0	0	0	123	12	2,416	5	2,539	5
1996...	0	0	0	0	96	12	1,494	5	1,590	5
1997...	0	0	0	0	90	14	2,074	5	2,164	5
YEAR	GRAY SNAPPER								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		EST	PSE (%)
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)		
----- NUMBERS IN THOUSANDS -----										
1993...	0	0	0	0	745	7	4,408	4	5,154	4
1994...	0	0	0	0	1,312	8	3,534	5	4,845	4
1995...	0	0	0	0	1,315	12	3,237	5	4,552	5
1996...	0	0	0	0	1,084	8	3,330	6	4,413	5
1997...	0	0	0	0	1,487	10	3,840	5	5,327	4
YEAR	GRAY TRIGGERFISH								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		EST	PSE (%)
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)		
----- NUMBERS IN THOUSANDS -----										
1993...	1	52	89	23	154	13	661	8	906	7
1994...	1	53	31	27	115	10	686	8	834	6
1995...	0	100	38	28	131	13	661	8	830	7
1996...	1	50	106	34	162	12	392	8	662	8
1997...	3	82	63	28	153	14	357	8	576	7

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ATLANTIC AND GULF COASTS

YEAR	GREATER AMBERJACK									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	0	0	694	19	67	12	380	10	1,141	12
1994. . .	0	0	1	52	98	13	233	11	332	9
1995. . .	0	0	2	73	35	16	126	14	164	11
1996. . .	0	0	25	37	90	13	142	9	258	8
1997. . .	0	0	2	100	47	18	95	14	144	11
YEAR	KING MACKEREL									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	0	0	17	40	506	5	500	6	1,023	4
1994. . .	0	0	5	47	461	6	682	6	1,148	4
1995. . .	0	0	1	61	628	6	622	6	1,252	4
1996. . .	0	0	2	59	485	5	748	7	1,235	4
1997. . .	0	0	23	42	704	5	643	7	1,369	4
YEAR	RED DRUM									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	0	0	64	36	1,274	7	6,310	4	7,649	4
1994. . .	0	0	12	32	1,683	6	5,913	4	7,609	3
1995. . .	0	0	36	37	2,105	7	7,096	4	9,236	3
1996. . .	0	0	3	40	1,130	6	5,952	3	7,085	3
1997. . .	0	0	118	35	1,243	6	7,007	4	8,367	3
YEAR	RED SNAPPER									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	0	0	0	0	87	23	2,458	5	2,546	5
1994. . .	0	0	0	0	95	21	1,916	6	2,011	5
1995. . .	0	0	0	0	69	16	1,539	6	1,609	6
1996. . .	0	0	0	0	34	24	1,700	6	1,733	6
1997. . .	0	0	0	0	48	35	2,924	5	2,972	5
YEAR	SAND SEATRUT									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	0	0	0	0	0	0	4,068	7	4,068	7
1994. . .	0	0	0	0	0	0	5,665	5	5,665	5
1995. . .	0	0	0	0	0	0	4,355	7	4,355	7
1996. . .	0	0	0	0	0	0	4,624	6	4,624	6
1997. . .	0	0	0	0	0	0	3,248	9	3,248	9

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ATLANTIC AND GULF COASTS - Continued**

YEAR	SCUP									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	-----NUMBERS IN THOUSANDS-----									
1993. . .	4,337	8	2,723	8	17	24	0	0	7,077	6
1994. . .	2,431	7	3,192	13	39	41	0	0	5,662	8
1995. . .	2,572	7	1,111	20	5	27	0	0	3,688	8
1996. . .	3,533	9	1,321	13	4	34	0	0	4,858	7
1997. . .	1,835	11	996	17	11	40	0	0	2,842	9
YEAR	SHEEPSHEAD									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	-----NUMBERS IN THOUSANDS-----									
1993. . .	0	0	1	74	1,263	14	4,329	5	5,593	5
1994. . .	0	0	4	78	1,715	8	2,663	5	4,383	5
1995. . .	0	0	14	42	1,538	8	3,552	6	5,118	5
1996. . .	0	0	2	59	944	6	2,593	5	3,542	4
1997. . .	0	0	22	71	783	8	3,024	6	3,829	5
YEAR	SOUTHERN FLOUNDER									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	-----NUMBERS IN THOUSANDS-----									
1993. . .	0	0	2	73	509	6	572	8	1,083	5
1994. . .	0	0	0	0	830	6	539	7	1,369	4
1995. . .	0	0	0	0	740	7	706	6	1,446	5
1996. . .	0	0	1	59	454	7	738	7	1,192	5
1997. . .	0	0	43	31	599	6	625	7	1,267	5
YEAR	SPANISH MACKEREL									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	-----NUMBERS IN THOUSANDS-----									
1993. . .	1	62	197	14	949	6	2,506	6	3,653	4
1994. . .	0	0	341	13	1,502	6	2,007	5	3,850	4
1995. . .	0	0	147	23	847	6	1,574	9	2,568	6
1996. . .	0	0	100	35	1,069	6	1,818	7	2,988	5
1997. . .	0	0	91	34	1,299	6	2,066	7	3,456	5
YEAR	SPOT									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	-----NUMBERS IN THOUSANDS-----									
1993. . .	0	0	7,713	8	5,562	7	988	33	14,263	6
1994. . .	0	0	8,815	5	9,449	6	227	33	18,491	4
1995. . .	0	0	5,343	8	6,039	6	185	29	11,567	5
1996. . .	0	0	2,668	10	4,630	9	66	27	7,364	7
1997. . .	0	0	6,916	10	2,827	8	103	75	9,846	7

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ATLANTIC AND GULF COASTS - Continued**

YEAR	SPOTTED SEATROUT									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	----- NUMBERS IN THOUSANDS -----									
1993. . .	0	0	176	16	2,336	5	19,026	3	21,538	3
1994. . .	0	0	425	11	2,319	6	19,438	3	22,181	3
1995. . .	0	0	579	19	3,425	5	20,610	3	24,615	3
1996. . .	0	0	304	19	1,976	5	18,282	3	20,563	3
1997. . .	0	0	285	15	2,370	6	23,139	3	25,794	3
YEAR	STRIPED BASS									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	----- NUMBERS IN THOUSANDS -----									
1993. . .	1,692	9	3,080	9	13	40	15	25	4,900	6
1994. . .	3,243	7	5,241	9	22	23	15	34	8,636	6
1995. . .	5,190	7	5,405	8	63	13	30	30	10,839	5
1996. . .	6,799	8	6,987	7	297	9	18	24	14,101	5
1997. . .	8,757	5	7,836	7	395	8	21	39	17,009	4
YEAR	SUMMER FLOUNDER									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	----- NUMBERS IN THOUSANDS -----									
1993. . .	551	9	21,815	4	553	7	0	0	22,919	4
1994. . .	1,019	7	16,317	4	404	7	0	0	17,741	3
1995. . .	833	9	15,244	4	162	9	0	0	16,239	4
1996. . .	1,426	7	17,981	3	394	7	0	0	19,801	3
1997. . .	1,698	9	17,249	4	304	8	0	0	19,251	3
YEAR	TAUTOG									
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)		TOTAL	
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
	----- NUMBERS IN THOUSANDS -----									
1993. . .	718	8	3,491	7	5	22	0	0	4,215	6
1994. . .	729	10	1,921	8	3	32	0	0	2,653	7
1995. . .	583	11	3,228	8	4	31	0	0	3,816	7
1996. . .	547	9	1,726	8	7	31	0	0	2,279	6
1997. . .	387	11	1,245	8	12	42	0	0	1,643	6

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ATLANTIC AND GULF COASTS - Continued**

YEAR	VERMILION SNAPPER								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)			
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	0	0	0	0	139	17	1,090	8	1,228	7
1994. . .	0	0	0	0	119	13	706	9	826	8
1995. . .	0	0	0	0	171	23	1,029	8	1,200	8
1996. . .	0	0	0	0	110	18	357	9	467	8
1997. . .	0	0	0	0	117	18	348	14	465	11
YEAR	WEAKFISH								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)			
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	2	43	1,828	7	388	10	0	0	2,219	6
1994. . .	1	100	4,290	6	638	9	0	0	4,929	5
1995. . .	2	53	5,359	6	378	10	0	0	5,739	5
1996. . .	1	53	7,250	5	343	10	0	0	7,594	5
1997. . .	3	46	5,850	5	601	8	0	0	6,455	5
YEAR	WINTER FLOUNDER								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)			
	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)	EST	PSE (%)
----- NUMBERS IN THOUSANDS -----										
1993. . .	651	9	2,930	23	0	0	0	0	3,582	19
1994. . .	486	9	1,814	13	0	0	0	0	2,300	11
1995. . .	473	14	1,851	10	0	0	0	0	2,324	9
1996. . .	400	10	2,514	14	0	0	0	0	2,913	12
1997. . .	556	13	1,340	13	0	0	0	0	1,896	10
YEAR	ALL FISHES								TOTAL	
	NORTH ATLANTIC		MID-ATLANTIC		SOUTH ATLANTIC		GULF OF MEXICO (1)			
	EST									
----- NUMBERS IN THOUSANDS -----										
1993. . .	20,991	3	97,574	2	50,887	2	147,332	2	316,784	1
1994. . .	25,880	8	94,945	2	72,173	1	148,856	3	341,854	1
1995. . .	21,983	5	88,522	2	65,240	1	135,781	3	311,526	1
1996. . .	23,427	4	86,419	2	51,257	2	118,625	2	279,728	1
1997. . .	23,781	3	96,548	2	58,295	1	39,819	2	318,443	1

(1) GULF OF MEXICO ESTIMATES DO NOT INCLUDE TEXAS DATA.

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